Listing of Claims

1   Claim 1 (Currently Amended): A method of transferring data from a first end
2   system to a second end system, wherein said first end system and said second end system
3   are connected by a network, said method being performed in said first end system, said
4   method comprising:

5   determining in said first end system whether to send said data in a compressed
6   format;

7   if it is determined to send said data in said compressed format, compressing said
8   data to generate compressed data using a compression approach and sending said
9   compressed data to said second end system on said network; and

10   otherwise, sending said data in an uncompressed format to said second end system
11   on said network,

12   wherein said determining checks a processing load <u>in a previous time duration</u> on
13   said second end system, and determines not to send said data in said compressed format
14   if the processing load <u>in said previous time duration</u> on said second end system is
15   determined to be more than a first threshold.

    Claims 2 - 3: (Canceled)

1   Claim 4 (Original): The method of claim 1, wherein said determining checks a type
2   of said data and determines not to send said data in said compressed format if said type
3   does not lend to substantial data compression.

1   Claim 5 (Original): The method of claim 1, wherein said determining examines a
2   size of said data and determines not to send said data in said compressed format if said
3   size is small.

1   Claim 6 (Previously Presented): The method of claim 5, wherein said determining
2   further checks a speed of data transfer on said network and determines not to use said
3   compressed format if said speed is high.

1   Claim 7 (Original): The method of claim 6, wherein said speed is determined by

2   sending an ICMP echo packet.

1   Claim 8 (Previously Presented): The method of claim 1, wherein said determining

2   further checks a speed of data transfer on said network and determines not to use said

3   compressed format if said speed is high,

4   wherein said speed is determined by including a first local time stamp in a packet

5   sent to said second end system, and receiving a second time stamp and a third time stamp

6   from said second end system at a time specified by a fourth local time stamp, wherein said

7   second time stamp indicates a time at which said packet is received in said second end

8   system and said third time stamp indicates a time at which said packet is sent from said

9   second end system, wherein said speed is determined based on said first local time stamp,

10   said second time stamp, said third time stamp, and said fourth time stamp.

1   Claim 9 (Currently Amended): The method of claim 1, wherein said first end

2   system ~~comprises one of a database server and~~ is a database client, and said second end

3   system ~~comprises the other one of said~~ is a database server ~~and said database client~~ such

4   that data is transferred from said database client to said database server.

1   Claim 10 (Original): The method of claim 1, wherein said data comprises software

2   instructions.

1   Claim 11 (Currently Amended): A computer readable medium carrying one or

2   more sequences of instructions for causing a first end system to transfer a second end

3   system, wherein said first end system and said second end system are connected by a

4   network, wherein execution of said one or more sequences of instructions by one or more

5   processors contained in said first end system causes said one or more processors to

6   perform the actions of:

7   determining in said first end system whether to send said data in a compressed

8   format;

9   if it is determined to send said data in said compressed format, compressing said

10   data to generate compressed data using a compression approach and sending said

11   compressed data to said second end system on said network; and

12   otherwise, sending said data in an uncompressed format to said second end system

13   on said network,

14   wherein said determining checks a processing load <u>in a previous time duration</u> on

15   said second end system, and determines not to send said data in said compressed format

16   if the processing load <u>in said previous time duration</u> on said second end system is

17   determined to be more than a first threshold.

Claims 12 - 13: (Canceled)

1   Claim 14 (Previously Presented): The computer readable medium of claim 11,

2   wherein said determining checks a type of said data and determines not to send said data

3   in said compressed format if said type does not lend to substantial data compression.

1   Claim 15 (Previously Presented): The computer readable medium of claim 11,

2   wherein said determining examines a size of said data and determines not to send said

3   data in said compressed format if said size is small.

1   Claim 16 (Previously Presented): The computer readable medium of claim 15,

2   wherein said determining further checks a speed of data transfer on said network and

3   determines not to use said compressed format if said speed is above a second threshold.

1   Claim 17 (Original): The computer readable medium of claim 16, wherein said

2   speed is determined by sending an ICMP echo packet.

1   Claim 18 (Previously Presented): The computer readable medium of claim 11,

2   wherein said determining further checks a speed of data transfer on said network and

3   determines not to use said compressed format if said speed is above a second threshold,

4   wherein said speed is determined by including a first local time stamp in a packet

5   sent to said second end system, and receiving a second time stamp and a third time stamp

6   from said second end system at a time specified by a fourth local time stamp, wherein said

7   second time stamp indicates a time at which said packet is received in said second end

8   system and said third time stamp indicates a time at which said packet is sent from said

9   second end system, wherein said speed is determined based on said first local time stamp,

10   said second time stamp, said third time stamp, and said fourth time stamp.

1   Claim 19 (Currently Amended): The computer readable medium of claim 11,

2   wherein said first end system ~~comprises one of a database server and~~ is a database client,

3   and said second end system ~~comprises the other one of said~~ is a database server such that

4   data is transferred from said database client to said database server ~~and said database~~

5   ~~client~~.

1   Claim 20 (Previously Presented): The computer readable medium of claim 11,

2   wherein said data comprises software instructions.

1   Claim 21 (Currently Amended): An apparatus for transferring data from a first end

2   system to a second end system, wherein said first end system and said second end system

3   are connected by a network, said apparatus being performed in said first end system, said

4   apparatus comprising:

5   means for determining in said first end system_whether to send said data in a

6   compressed format;

7   means for compressing said data to generate compressed data using a compression

8   approach and means for sending said compressed data to said second end system on said

9   network if it is determined to send said data in said compressed format; and

10   means for sending said data in an uncompressed format to said second end system

11   on said network otherwise,

12   wherein said means for determining checks a processing load <u>in a previous time</u>

13   <u>duration </u>on said second end system, and determines not to send said data in said

14   compressed format if the processing load <u>in said previous time duration </u>on said second

15   end system is determined to be more than a third threshold.

          Claims 22 - 23: (Canceled)

1   Claim 24 (Original): The apparatus of claim 21, wherein said means for

2   determining checks a type of said data and determines not to send said data in said

3   compressed format if said type does not lend to substantial data compression.

1   Claim 25 (Original): The apparatus of claim 21, wherein said means for

2   determining examines a size of said data and determines not to send said data in said

3   compressed format if said size is small.

1   Claim 26 (Previously Presented): The apparatus of claim 25, wherein said means

2   for determining further checks a speed of data transfer on said network and determines

3   not to use said compressed format if said speed is high.

1   Claim 27 (Original): The apparatus of claim 26, wherein said means for

2   determining determines said speed by sending an ICMP echo packet.

1   Claim 28 (Previously Presented): The apparatus of claim 21, wherein said means

2   for determining further checks a speed of data transfer on said network and determines

3   not to use said compressed format if said speed is high,

4   wherein said means for determining includes a first local time stamp in a packet

5   sent to said second end system, and receives a second time stamp and a third time stamp

6   from said second end system at a time specified by a fourth local time stamp, wherein said

7   second time stamp indicates a time at which said packet is received in said second end

8   system and said third time stamp indicates a time at which said packet is send from said

9   second end system, wherein said speed is determined based on said first local time stamp,

10   said second time stamp, said third time stamp, and said fourth time stamp.

1   Claim 29 (Currently Amended): The apparatus of claim 21, wherein said first end

2   system ~~comprises one of a database server and~~ is a database client, and said second end

3   system ~~comprises the other one of said~~ is a database server such that data is transferred

4   from said database client to said database server ~~and said database client~~.

1   Claim 30 (Currently Amended): The method of claim 1, wherein said determining

2   checks said processing load in corresponding previous time durations on said second end

3   system periodically including at a first time instance and then at a second time instance,

4   and determines not to send data in said compressed format between said first time

5   instance and said second time instance if the processing load determined at said first time

6   instance is more than said first threshold.

1   Claim 31 (Currently Amended): The method of claim 30, wherein said determining

2   checks processing load on said first end system and determines to ~~said~~ send said data in

3   said compressed format if the processing load on said ~~first~~ second end system is not more

4   than said first threshold and if the processing load on said ~~second~~ first end system is not

5   more than a second threshold.

1   Claim 32 (Currently Amended): The computer readable medium of claim 11,

2   wherein said determining checks said processing load in corresponding previous time

3   durations on said second end system periodically including at a first time instance and

4   then at a second time instance, and determines not to send data in said compressed format

5   between said first time instance and said second time instance if the processing load at

6   said first time instance is more than said first threshold.

1   Claim 33 (Currently Amended): The computer readable medium of claim 32,

2   wherein said determining checks processing load on said first end system and determines

3   to ~~said~~ send said data in said compressed format if the processing load on said ~~first~~ second

4   end system is not more than said first threshold and if the processing load on said ~~second~~

5   first end system is not more than a second threshold.

1   Claim 34 (Currently Amended): The apparatus ~~computer readable medium~~ of

2   claim 21, wherein said means for determining checks said processing load in

3   corresponding previous time durations on said second end system periodically including

4   at a first time instance and then at a second time instance, and determines not to send data

5   in said compressed format between said first time instance and said second time instance

6   if the processing load at said first time instance is more than said first threshold.

1   Claim 35 (Currently Amended): The apparatus ~~computer readable medium~~ of

2   claim 34, wherein said means for determining checks processing load on said first end

3   system and determines to ~~said~~ send said data in said compressed format if the processing

4   load on said ~~first~~ second end system is not more than said first threshold and if the

5   processing load on said ~~second~~ first end system is not more than a second threshold.